Transmission Asset System (TAS)

Transmission Services currently has no single information repository for existing assets. The O&M Enterprise Process Improvement Program (EPIP) identified BPA's pressing need for improvement in access to and analysis of asset information. Data on assets, when available, is often difficult to obtain and has to be gathered from a variety of sources and locations, including databases, hard copies and unofficial systems at central offices and field locations. Limited access to asset information makes optimal investment decisions and asset planning difficult.

The objectives of the TAS project are to implement systems and processes to provide ready access to all transmission equipment nameplate, condition, outage history, maintenance history and other key asset parameters. The TAS project will:

- Deliver core functionality for inside the fence (substation) assets. This includes completion of user acceptance testing, population of a starter database and the migration of users to the new systems and processes.
- Deliver a recommendation for how implementation for the outside the fence (lines, rights-of-way) and other (vehicles, non-electric facilities) asset groupings should proceed. This effort will include requirements gathering and market analysis of best practices and software solutions. Implementation for the remaining asset groups will be presented in either a separate business case or a further amendment of the TAS business case.

Completion of the project described in this business case does not complete the TAS effort. Outside the fence and other asset group implementations will follow. Even the inside the fence implementation only begins with the work included in this project. This project will put the tools, processes and capabilities in the hands of the users and it will begin the data collection and validation effort. It will take a number of years to fully populate the repository with data to support robust analysis and realize the full potential of the Transmission Asset System.